



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Jul/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.602	2380.363	1) Gujrat	5.742	12.842
2) Hydro	16.556	239.922	2) Madhya Pradesh	12.001	345.306
3) Gas	10.472	240.464	3) Chattisgarh	10.940	278.670
Total MSGENCO	103.630	2860.749	4) Maharashtra	51.523	1238.294
B) OTHERS			5) Goa	-5.948	-145.257
1) JSW JAIGAD	29.171	670.597	6) TAPS 1&2 Injection	3.980	148.687
2) WPCL	10.065	234.285	7) RGPPL Injection	15.136	443.672
3) Other CPP / IPP	6.596	149.967	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	29.875	523.220	# Total Cent. Sector	93.374	2320.376
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.317	-290.303
1) TPCL Thermal	27.017	682.340	G) Bilateral Power *		
2) TPCL Hydro	3.946	92.739	1) MSEDCL Bilateral	25.716	644.211
TOTAL TPCL	30.963	775.079	Include PX	0.000	0.950
3) REL Thermal	12.611	312.634	2) MUMBAI Bilateral	14.943	334.887
D) STATE			Include PX	2.724	18.188
1) Thermal (A1+C1+C3)	116.230	3375.337	3) MUMBAI Schedule	17.103	340.661
2) Hydro (A2+B5+C2)	20.502	334.499	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.472	240.464	1) MSEDCL	258.394	6470.729
4) Wind (B4)	29.875	523.220	2) TPCL	39.101	925.052
5) CPP (B1+B2+B3)	45.832	1054.849	3) REL	18.789	453.023
TOTAL STATE	222.911	5528.369	TOTAL STATE	316.284	7848.804

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3071	3391	2999
MSGENCO Hydro	1157	1222	503
MSGENCO Gas	447	456	439
MSGENCO Total Generation	4675	5069	3941
Central Sector Receipt	3990	4136	3452
WIND	1319	1300	1120
CPP / IPP	1898	1923	1923
Exchange with Mumbai	-915	-661	-282
MSEDCL DEMAND MET	10967	11767	10154
Load Shedding	724	424	185
MSEDCL DEMAND	11691	12191	10339
TPCL GENERATION	1506	1391	943
R-INFRA GENERATION	526	526	526
TPCL+R-INFRA DEMAND	2947	2578	1751
STATE DEMAND MET	13914	14345	11905
STATE DEMAND	14638	14769	12090
Frequency (Hz)	49.65	49.36	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 06.02 Hrs	48.81 Hz at 19.48 Hrs	49.56	11.18 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 25/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.63	64.39	122	100	110
Unit 6	0.00	49.70	0	0	0
Unit 7	2.98	85.66	150	105	110
Total	5.61	199.75			220
Bhusawal					
Unit 2	3.46	80.58	150	135	140
Unit 3	0.00	63.72	0	0	0
Unit 4	4.67	49.56	229	117	
Unit 5	0.00	0.00	0	0	
Total	8.14	193.86			140
Parli					
Unit 3	3.13	58.10	155	60	110
Unit 4	3.34	80.35	166	115	130
Unit 5	2.87	82.74	144	95	100
Unit 6	3.28	50.54	182	118	120
Unit 7	0.00	40.36	0	0	0
Total	12.62	312.09			460
Chandrapur					
Unit 1	1.54	72.50	137	0	0
Unit 2	3.16	77.64	143	118	150
Unit 3	3.03	93.84	155	94	120
Unit 4	3.35	102.12	163	128	140
Unit 5	7.32	201.98	370	160	300
Unit 6	0.00	186.91	0	0	0
Unit 7	6.22	169.32	304	220	325
Total	24.62	904.32			1035
Paras					
Unit 3	0.41	33.73	122	0	0
Unit 4	2.70	74.20	140	69	130
Total	3.11	107.93			130
Khaparkheda					
Unit 1	3.72	104.34	170	130	150
Unit 2	3.04	4.98	160	60	100
Unit 3	0.00	108.35	0	0	0
Unit 4	4.01	115.48	193	152	200
Unit 5	2.48	77.50	286	0	0
Total	13.24	410.64			450
Nasik					
Unit 3	4.80	104.00	210	190	195
Unit 4	4.46	110.88	200	177	190
Unit 5	0.00	36.90	0	0	0
Total	9.26	251.79			385
Uran					
All Units	10.47	240.46	456	295	440
Total	10.47	240.46			440
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	
Total	0.00	1.84			
Koyna					
Stage 1-2	4.84	77.06	505	55	530
Stage 4	7.17	72.00	609	0	250
Stage 3	3.64	48.52	240	0	240
Kovna 12&4 Total	12.00	149.06			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.65	197.58			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.03	13.23	29	0	60
TILLARI	0.25	4.28	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.43	8.90	41	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.12	3.48	5	5	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	1.90	10	1	8
GHATGHAR	0.00	9.58	0	0	0
Total	0.91	42.34			213
Wind					
MalharPeth	1.97	27.89			
Vankuswadi	2.66	43.40			
ATIT	0.32	8.33			
Kale	1.03	15.11			
Satara	2.46	54.51			
Shirala	1.39	17.28			
K Mahankal	1.69	40.00			
Supa	0.45	7.33			
Vita	3.94	79.58			
Dondaicha	8.68	145.04			
Sakri	1.40	21.03			
Nandurbar	0.69	14.01			
Khandke	1.71	28.54			
Khaparale	1.49	21.17			
Total	29.88	523.22			
CPP					
JSW JAIGAD	29.17	670.60	1218	1202	1100
WARDHA	10.06	234.28	434	368	430
Other CPPs	6.60	149.97			
Total	45.83	1054.85			1530
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.94	274.91	505	465	500
Trombay 6	9.97	184.34	503	181	500
Trombay 7A	0.00	53.54	0	0	0
Trombay 7B	0.00	29.67	0	0	0
Trombay 8	5.11	139.88	245	156	250
TATA Hydro	3.95	92.74	362	0	447
Total	30.96	775.08			1697
REL					
1&2	12.61	312.63	526	524	500
Total	12.61	312.63			500
Cent Sect					
Share					4259
Total					4259

MS PG CL	Thermal	76.60	2380.36			2820
	Thml+Gas	87.07	2620.83			3260
	Hydro	16.56	239.92			1233
	Total	103.63	2860.75			4493
State Total		222.91	5528.37			12479

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Jul/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	2905	973	430	4308	1233	1913	3758	3518	-518	-403	10569	153	10722	2018	12740	49.72
2	2977	734	438	4149	1133	1914	3687	3388	-448	-317	10267	175	10442	1856	12298	49.68
3	2999	503	439	3941	1120	1923	3643	3452	-402	-282	10154	185	10339	1751	12090	49.72
4	2945	399	436	3780	1090	1925	3621	3851	-380	-277	10369	196	10565	1707	12272	49.77
5	2921	274	444	3639	1061	1907	3622	3966	-381	-267	10306	208	10514	1703	12217	49.75
6	2908	1064	446	4418	1132	1909	3633	3615	-378	-279	10795	281	11076	1789	12865	49.61
7	3003	937	454	4394	1288	1895	3669	3788	-406	-326	11039	694	11733	1893	13626	49.74
8	3126	796	447	4369	1189	1899	3557	3953	-484	-453	10957	831	11788	2051	13839	49.72
9	3112	533	451	4096	1289	1860	3399	3892	-534	-541	10596	1069	11665	2350	14015	49.69
10	3049	1012	453	4514	1319	1880	3544	3927	-848	-715	10925	867	11792	2655	14447	49.65
11	3045	889	436	4370	1350	1896	3667	4215	-971	-895	10936	789	11725	2885	14610	49.69
12	3071	1157	447	4675	1319	1898	3699	3990	-1002	-915	10967	724	11691	2947	14638	49.65
13	3164	869	450	4483	1375	1909	4118	4073	-997	-848	10992	747	11739	2939	14678	49.62
14	3208	519	430	4157	1240	1915	4076	3982	-951	-803	10491	691	11182	2841	14023	49.49
15	3325	587	427	4339	1085	1915	4062	3827	-938	-790	10376	610	10986	2858	13844	49.29
16	3350	259	437	4046	1337	1915	4026	3926	-950	-794	10430	726	11156	2856	14012	49.26
17	3371	176	439	3986	1482	1922	4021	3857	-946	-783	10464	800	11264	2842	14106	49.38
18	3392	76	441	3909	1263	1922	3973	3890	-875	-743	10241	664	10905	2788	13693	49.58
19	3457	316	448	4221	1309	1919	4080	4173	-812	-697	10925	380	11305	2705	14010	49.49
20	3463	1207	432	5102	1216	1921	4179	4021	-804	-692	11568	450	12018	2697	14715	49.26
21	3391	1222	456	5069	1300	1923	4244	4136	-875	-661	11767	424	12191	2578	14769	49.36
22	3466	869	453	4788	1345	1921	4250	4138	-773	-633	11559	364	11923	2487	14410	49.45
23	3444	609	443	4496	1224	1915	4160	3992	-733	-616	11011	173	11184	2396	13580	49.28
24	3510	576	295	4381	1176	1916	4031	3804	-694	-587	10690	131	10821	2299	13120	49.57
MUs	76.60	16.56	10.47	103.63	29.88	45.83	92.72	93.37	-17.10	-14.32	258.39	12.33	270.73	57.89	328.62	49.56

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 25/Jul/2012

Position as on 6.30 Hrs of 26/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Tata Trombay 7B	60	19/07/2012	21.00		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
Tata Trombay 7A	120	19/07/2012	22.30		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Dabhol 3B	230	25/06/2012	09.41	25/07/2012	16.40	Gas Shortage	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	18/07/2012	21.02	25/07/2012	11.58	CHP Problem	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Chandrapur Unit 1	210	23/07/2012	09:25	25/07/2012	09.45	I D Fan problem.	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Bhusawal Unit 3	210	24/07/2012	02.28		Continued.	Flame failure.	
Khaparkheda Unit 3	210	24/07/2012	19.16		Continued.	Boiler Tube Leakage	
Paras Unit 3	250	25/07/2012	03.23		Continued.	Flame Failure	
Koyna Unit 9	80	25/07/2012	16.15		Continued.	Guidevang link break	
Uran Unit 5	108	25/07/2012	23.16		Continued.	Gas Shortage	
Uran Unit A0	120	25/07/2012	23.16		Continued.	Gas Shortage	
Dabhol 3B	230	26/07/2012	02.15	26/07/2012	04.39	Tripped	
Koradi Unit 5	200	26/07/2012	02.45		Continued.	Furnace pressure Low	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jul/2012

Position as on 6.30 Hrs of 26/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur-Mapusa-II	18/07/2012	22.46	25/07/2012	09.30	Over Voltage
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Dhule-S'Sarovar I	24/07/2012	16:21	25/07/2012	06.25	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	24/07/2012	17:24	25/07/2012	10.13	Over Voltage.
Kolhapur - Mapusa - I	25/07/2012	16.20		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	24/07/2012	12:07	25/07/2012	10.42	V. T. Fuse fail.
Dhule-Sar'Sarovar - II	25/07/2012	00.09		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
Koradi - Bhusawal	25/07/2012	08.12	25/07/2012	18.19	P.G.Isolator work
Dabhol - Nagothane - I	25/07/2012	09.28	25/07/2012	22.50	Replacement of B Bus P.G.Isolator
Karad-Lonikhand	25/07/2012	10.27		Continued.	Replacement of B Bus P.G.Isolator
Main Bus - II at Bhusawal	25/07/2012	11.57	25/07/2012	16.51	P.G.Isolator work
400/220 KV 500 MVA ICT-I @ Jejuri	26/07/2012	00.18	26/07/2012	04.40	Isolator alignment and Maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
220/100KV 200MVA ICT-I at Kalwa	23/07/2012	14.18		Continued.	Isolator replacement.
Koradi-Ambazari-I	25/07/2012	09.55		Continued.	Measurement of Tan Delta of CT(ready for charging 17.03Hrs)
Lote - Dasturi	25/07/2012	12.25	25/07/2012	18.30	Replacement of Wave Trap Jumper
Miraj - Mhaisal	25/07/2012	14.17	25/07/2012	15.45	Replacement of TNC
220/132 KV 200 MVA ICT-I @ Bale	25/07/2012	14.42	25/07/2012	18.20	132KV Main Bus Outage
220/132 KV 200 MVA ICT - II @ Bale	25/07/2012	14.44	25/07/2012	18.21	132KV Main Bus Outage
220/132 KV 200 MVA ICT - III @ Bale	25/07/2012	14.45	25/07/2012	18.22	132KV Main Bus Outage
Talangade - Mumewadi	25/07/2012	15.09	25/07/2012	17.11	Hot Spot
Miraj -Ichalkarajni	25/07/2012	15.56	25/07/2012	17.03	Replacement of TNC
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus at Bale	25/07/2012	14.45	25/07/2012	18.25	Commissioning Numerical Bus Bar Scheme
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jul/2012

Position as on 6.30 Hrs of 26/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		Continued.	Over Voltage.
Karad - Kolhapur - I	24/07/2012	17.46	25/07/2012	08.51	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Khaparkheda - Kanhan - II	25/07/2012	16.30		Continued.	Over Voltage
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Karad - Kolhapur - II	25/07/2012	08.38		Continued.	Without Indication
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Gunj	25/07/2012	00.32	25/07/2012	00.45	Backup O/C relay operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	135
	620	135
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	140
Parli		
Unit 3	210	0
Unit 4	210	100
Unit 5	210	125
Unit 6	250	165
Unit 7	250	0
	1130	390
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	140
Unit 4	210	160
Unit 5	500	275
Unit 6	500	0
Unit 7	500	250
	2340	1065
Paras		
Unit 3	250	0
Unit 4	250	130
	500	130
Khaparkheda		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	0
Unit 4	210	200
Unit 5	500	300
	1340	820
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	290
	852	290
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	160
	1920	940
Hydro		
KDPH	40	0
VTRNA	60	29

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	143
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	1100
WARDHA	405	430
Other CPPs	0	
	1005	1530
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4500
	3455	4500

	18400	7 of 7	12690
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